(4)

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Estimate Cost Rs. 1000000.00

Name of Work: Estimate for Maintenance of BBMP Drilled Borewells in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	A) Rewinding								
1	Lifting of Submersible pump set as per Soecification and direction **(P. 56 / I. 10.3.21) PRED SR (2012-13)**	Each	30				**30**	850.00	**25500.00**
2	Transportation of pumping machineries **(P. 56 / I. 10.3.19) PRED SR (2012-13)**	Each	30				**30**	900.00	**27000.00**
3	Labour charges (over hauling) **P. No. 56 / I No.10.3.22 PRED SR (2012-13)**	Job	30				**30**	550.00	**16500.00**
4	**A) Repairs to Motor:** Rewinding of submersible pump sets with copper insulation wire of suitable gauge as per ISI specification with guarantee of 6 months. **PRED SR (2012-13) P No. 54 / I. No. 10.1) (Above 10 HP upto 20 HP add Rs.150/- for every ½ HP)**								
	A) 10 HP Motor	No.	15				**15**	3700.00	**55500.00**
	upto 5 HP 2500.00								
	for 10 HP (120 x 10) 1200.00								
	Total 3700.00								
	B) 12.5 HP Motor		15				**15**	4750.00	**71250.00**
	upto 5 HP 2500.00								
	for 12.5 HP (150 x 15) 2250.00								
	Total 4750.00								
	B) Replacement of Motor Parts:								
5	Starter (with one year Guarantee) **P No. 55 / I No. 10.3.3 PRED SR (2012-13)**	No.	30				**30**	5050.00	**151500.00**
6	Rotor (with one year Guarantee) **P No. 55 / I No. 10.3.6) PRED SR (2012-13)**	No.	30				**30**	4700.00	**141000.00**
7	Upper Flange **P. No. 56 / I No. 10.3.7 PRED SR (2012-13)**	No.	30				**30**	350.00	**10500.00**
8	Lower Housing **P. No. 56 / I No. 10.3.10 PRED SR (2012-13)**	No.	30				**30**	650.00	**19500.00**
9	Carbon Housing **P. No. 56 / I No.10.3.12 PRED SR (2012-13)**	No.	30				**30**	475.00	**14250.00**
10	Thrust bearing block assembly complete with Segment bearing pad.**P. No. 55 / I No.10.3.13 PRED SR (2012-13)**	No.	30				**30**	1150.00	**34500.00**
	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement.								
11	Oil Seal **P. No. 54 / I No.10.2.3 PRED SR (2012-13)**	No.	30				**30**	125.00	**3750.00**

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Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	Oil Seal Steel Bush **P. No. 54 / I No. 10.2.4 PRED SR (2012-13)**	No.	30				**30**	150.00	**4500.00**
13	Guide vane **P. No. 54 / I No. 10.2.5 PRED SR (2012-13)**	No.	450				**450**	175.00	**78750.00**
14	Impeller Shell moulded with aluminium Bronze) **P. No. 54 / I No. 10.2.6 PRED SR (2012-13)**	No.	450				**450**	425.00	**191250.00**
15	Discharge outlet (D.O) Bearing D.O Steel Bush **P. No. 55 / I No. 10.2.7 PRED SR (2012-13)**	No.	30				**30**	445.00	**13350.00**
16	Steel Bush **P. No.55 / I No. 10.2.9 PRED SR (2012-13)**	No.	30				**30**	150.00	**4500.00**
17	Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) **P. No. 55 / I No. 10.2.11 PRED SR (2012-13)**	No.	30				**30**	950.00	**28500.00**
18	Non – return valve (NRV) assembly complete with rubber 'O' Ring **P. No. 55 / I No. 10.2.14 PRED SR (2012-13)**	No.	30				**30**	1350.00	**40500.00**
19	Cable Guard **P. No. 55 / I No. 10.2.15 PRED SR (2012-13)**	No.	30				**30**	150.00	**4500.00**
20	Brass Filter **P. No. 55 / I No. 10.2.17 PRED SR (2012-13)**	No.	30				**30**	250.00	**7500.00**
21	Re-erection charges of pumping machineries including overhauling and pointing **P. No. 56 / I No. 10.3.20 PRED SR (2012-13)**	Each	30				**30**	950.00	**28500.00**
	D) General Items								
22	Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. **Page No. 01/ Item No.1.2.2 / PRED SR 2012-13 Hard Soil**	Cum							
			1	110.00	0.45	0.75	37.13		
							37.13	188.00	**6980.00**
	Basic Rate	188.00							
23	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.15 item No.3.4.2 b PRED SR 2012-13.**	Rmtr							
	75 mm dia 6 KSC PVC pipe								
			1	110.00			110.00		
							110.00	157.00	**17270.00**

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Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
24	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs **Page No. 3 / Item No. 1.6 / PRED SR 2012-13**	Cum							
			Qty. Vide Item No. 22				**37.13**	61.00	**2265.00**
	Basic Rate	61.00							
25	Miscellaneous and Unforeseen Charges	L/S							**885.00**
								Total	**1000000.00**

(Rupees Ten Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of PRED 2012-13.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division
Bangalore-97.

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
Bangalore - 92

ADMINISTRATIVELY SANCTIONED FOR Rs. 10.00 lakhs
Rupees Ten lakhs only
Under
Registered as EE ( ) No 3 ...9.....
Subject to conditions contained in
enclosed memo EE ( ) No /9/....
Dt Estimate Sanctioned
JC(Y)A/S No 47/13-14
dated 1.7.2013 Rs 10.00 lakh.

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.

Technical Sanction
is accorded for Rs 10.00 lakhs
under CER No: 153 Dt: 08-07-13
TA
P.S. Venu 08/07/13
CE